

KamLAND-Muon-Tracker

KamLAND-4Pi

KamLAND 4Pi Testing and Commissioning

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Message ID: 148

Entry time: Fri May 27 16:54:41 2005

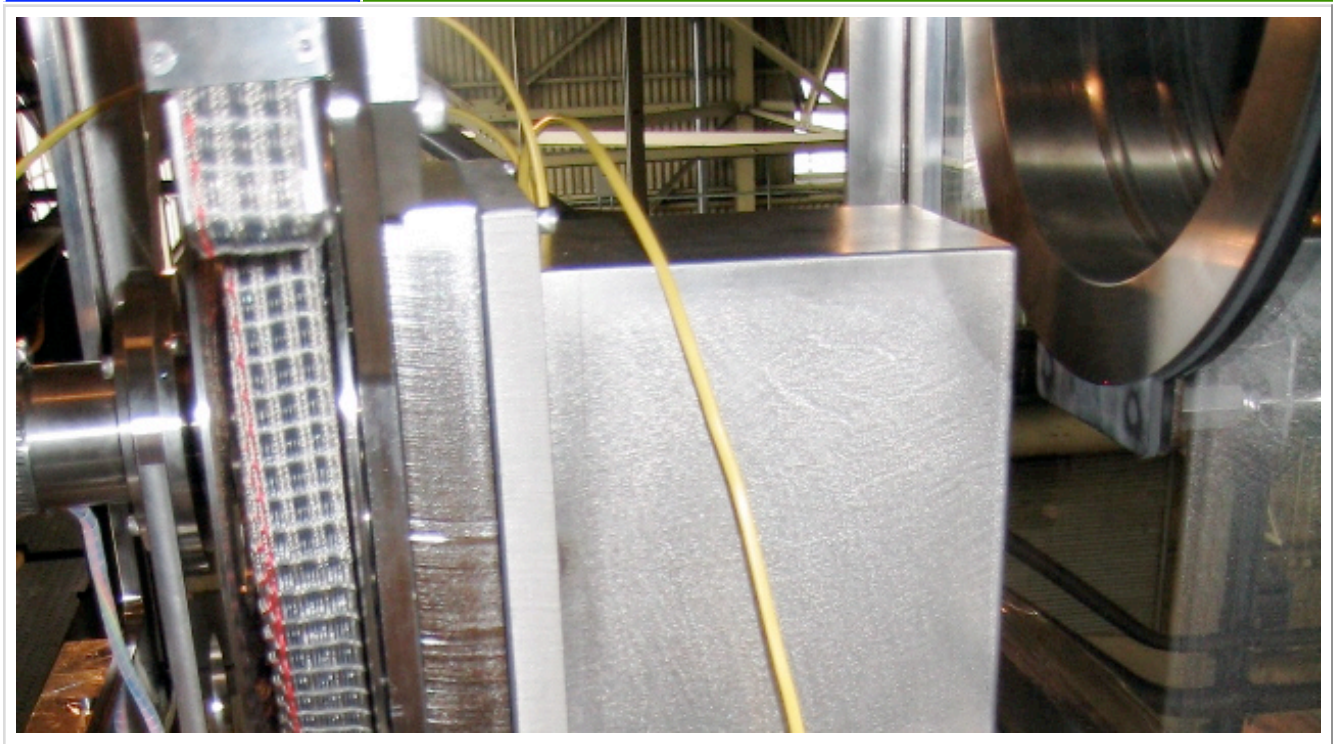
Author:	Karsten Heeger from apple-0-3-93-d6-4-32.dhcp.lbl.gov
Type:	Information
Category:	General
Subject:	temperature measurement of motor cover

This afternoon Andrew and I made a measurement of the surface temperature of the motor cover during z-axis operation of the system. A thermocouple was attached to the stainless steel cover near the center of the motors. See the attached pictures. We ran motor 1 up and down in a continuous mode at speed 10 (i.e. 3-4 times the normal speed of operation.) During this operation the surface temperature of the motor cover was monitored. It was constant at about 17.7-17.8 degrees C.

We conclude that the surface temperature of the motor cover does not change during the z-axis operation of the system. During 4pi deployment the motor operation is much more intermittent and we expect the operating temperature of the system to be the same.

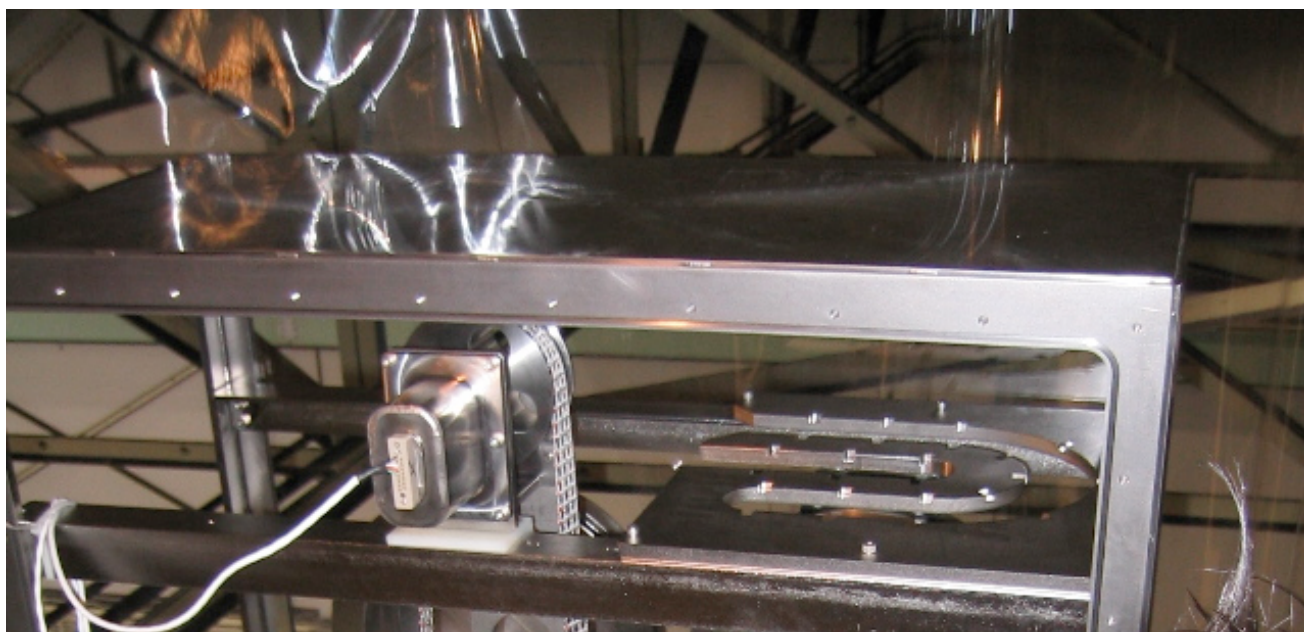
Karsten

Attachment 1:	IMG_2711.jpg 319 kB Hide Hide all
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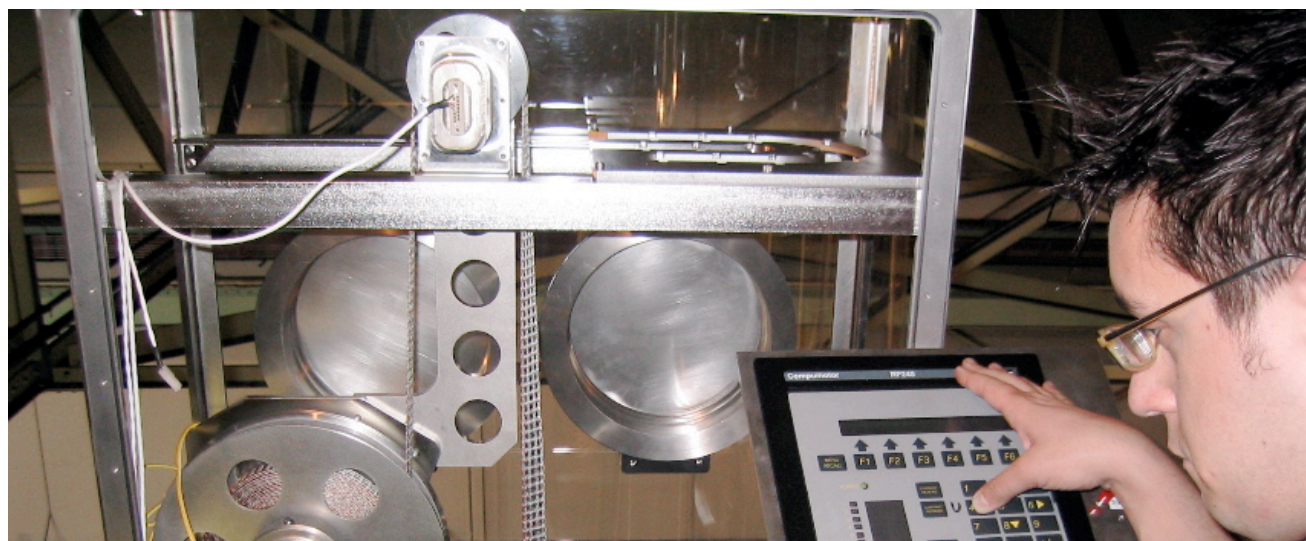


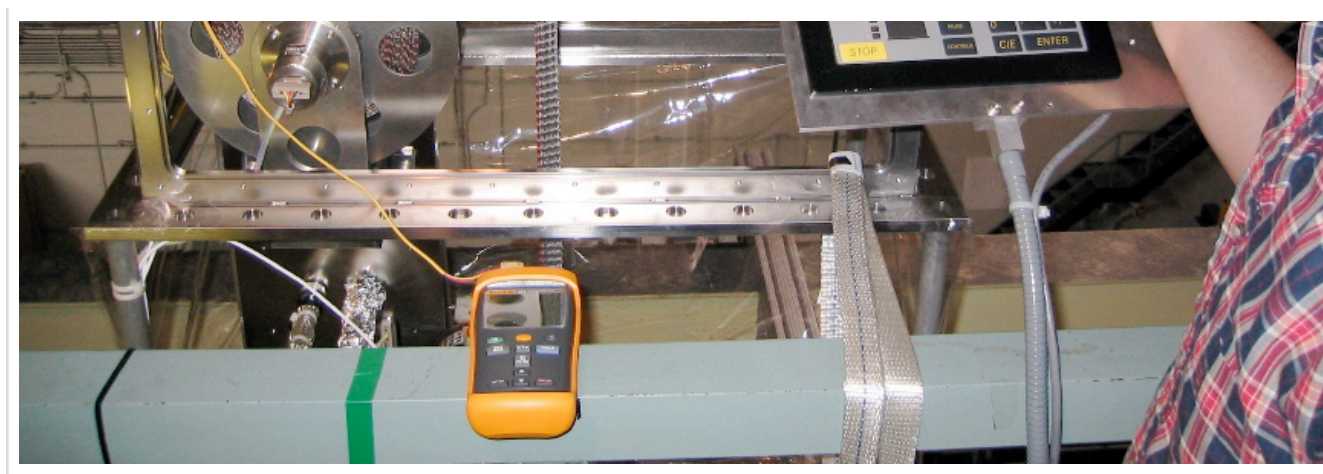
Attachment 2:

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Attachment 3:

[IMG_2713.jpg](#) 326 kB | [Hide](#) | [Hide all](#)



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